

Fig. 1 Prior art

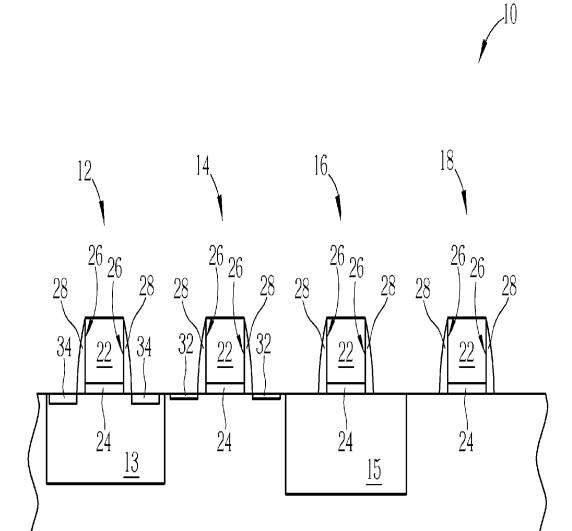


Fig. 2 Prior art

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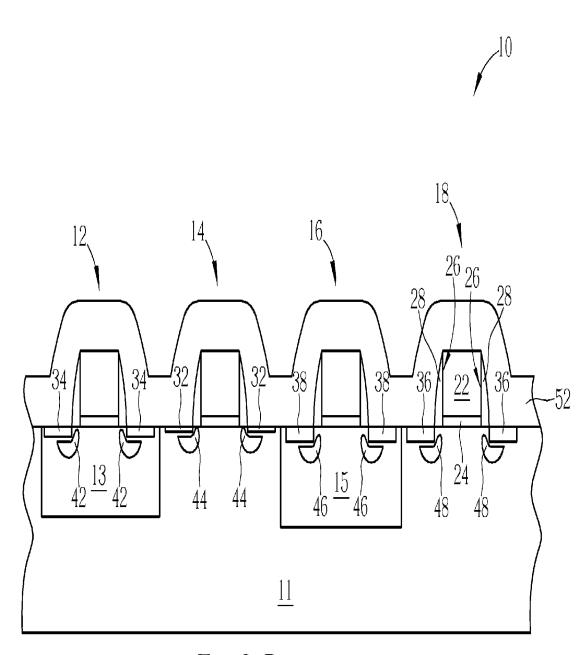


Fig. 3 Prior art

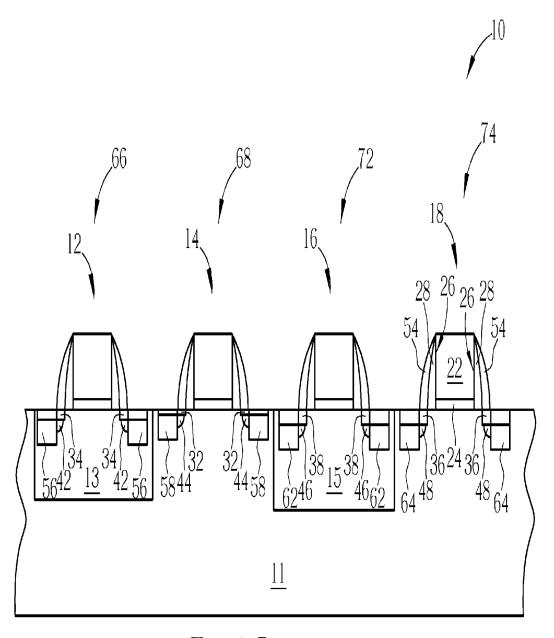


Fig. 4 Prior art

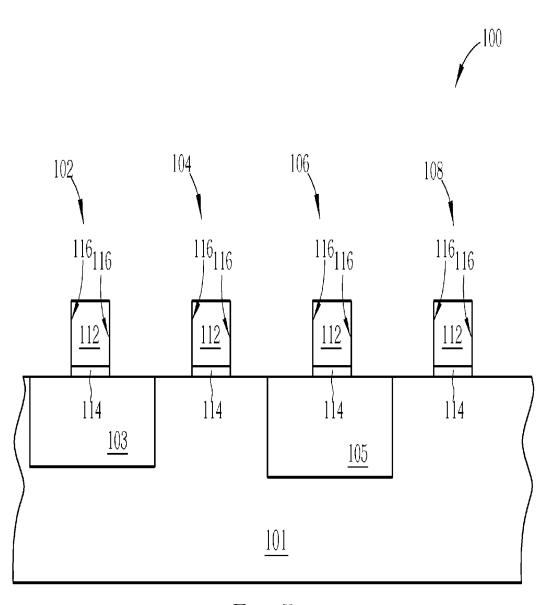


Fig. 5

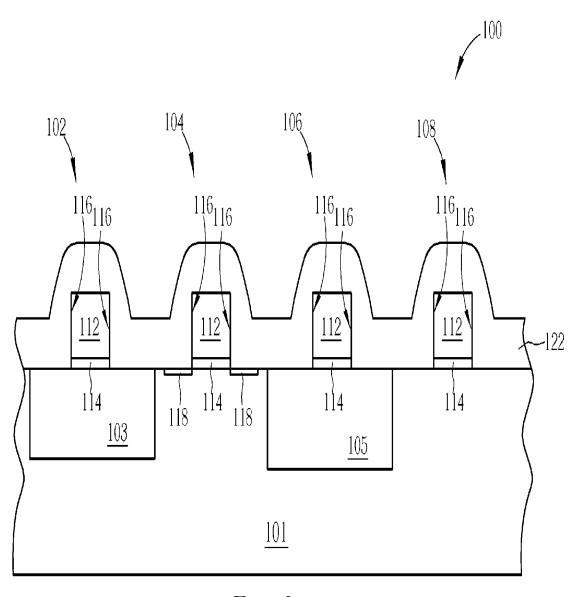


Fig. 6

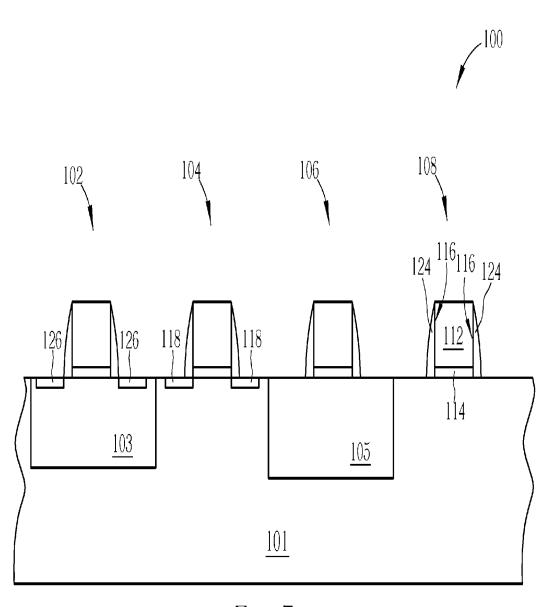


Fig. 7

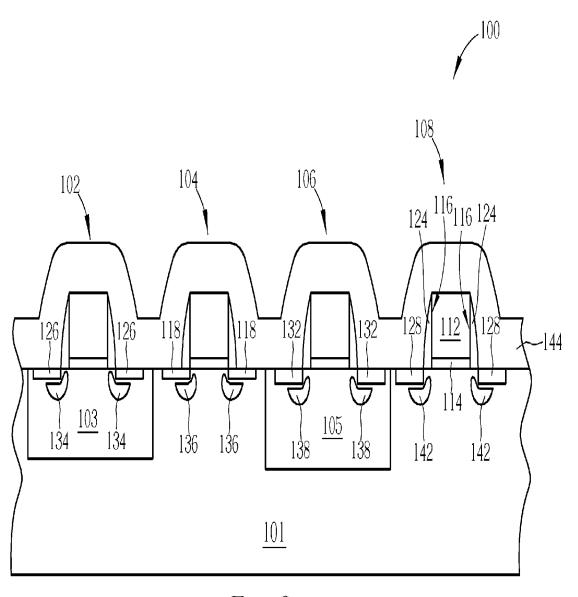


Fig. 8

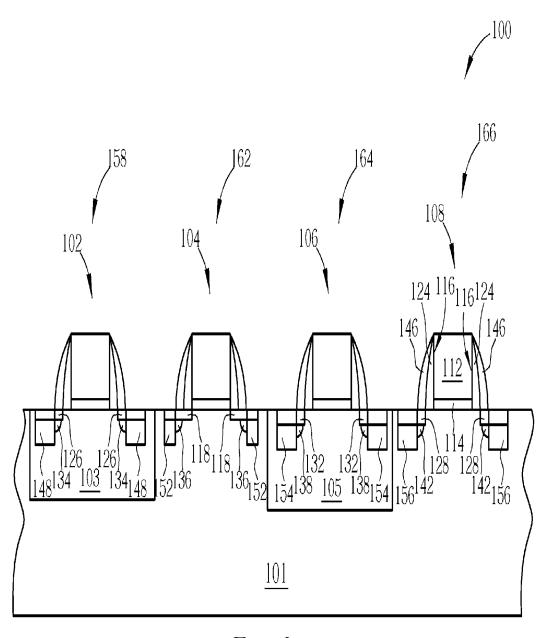


Fig. 9

Impact ionization rate V.S. Saturation current

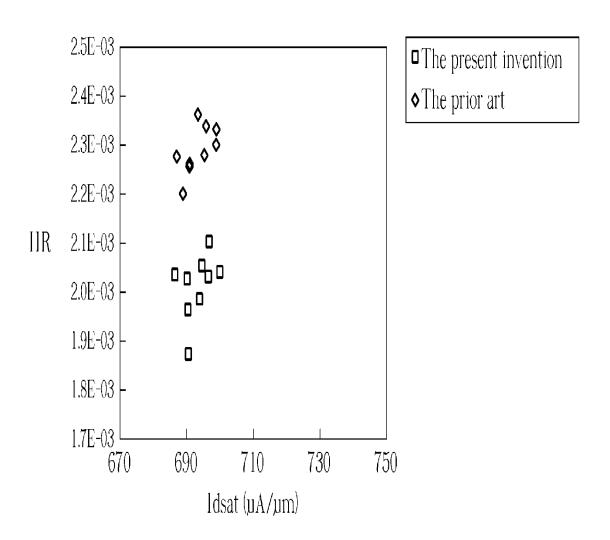


Fig. 10

Off-state current V.S. Saturation current 1.E-09 □ The present invention ♦The prior art 1.E-10 ⊕\$° ₽°\$ Ioff 1.E-11 | (A/µm) 1.E-12 | 1.E-13 600 750 650 700 800 850 900 ldsat (µA/µm)

Fig. 11